

97/06/23/BW

Inertia che	ck using p	hysical tes	sts	Ţ	1				1
			T					-	
Sest perform	med on 97.0	16 18 and 9	7.06.19						ļ
				simply supp	orted beam		<u> </u>		
basic equa	tion d=PL^	3//48EI	Ceriter or a	Simply supp	l led beam			 	
basic equa	IIIOIT G-F L .	37(40L1)							
common pr	operties								
E	9.90E+06								
L	92.5								
Mad ball to	the with he	andad I bas				ube with no			
Med bell tube with bonded I beat theory I 4.54			1111	<u> </u>	wed bell t	ube with no	on bonded	i beam	
theory i	Test load	·	colo I	0/ 4:55		T 1 1	100		04 1:55
		Meas. def	·	% diff	platform	Test load	Meas. def		% diff
7.5		0.003		·		0			
7.5		· · · · · · · · · · · · · · · · · · ·			L			3.733053	
7.5		<u> </u>	3.990298	 					
7.5						75		4.432421	-2.49
7.5	100			-8.3%	·		0.0405	4.420814	-2.6%
7.5	125	0.053	4.16379	-8.3%	7.5	125	0.0505	4.369918	-3.7%
206 tube w	ith light w	eh .							
theory I 1.585									
platform			calc I	% diff				-	
7.5	135	0.165	1.4384	-9.2%					·
₹06 tube w	ith heavy v	web			206 tube with heavy web try two				
neory I	2.304								
	Test load	Meas def	calc I	% diff	platform	Test load	Meas def	calc I	% diff
7.5	185	0.165	1.943102	-15.7%	7.5	165	0.1585	1.812628	-21.3%
limbs -t-		00044							
Light step									
theory I	0.7454								·
<u>'</u>	<u>:</u>		calc I	% diff					
7.5	59.69	0.157	0.712777	-4.4%			j		

Conclusion:

Light Step extrusion (D2622): Deflection and strength are ok to use theoretical values. Be awair that deflections may be up to 5% greater than theory an margins must be greater than .05

206B light: deflections are within range of to use theory Deflections may be up to 93 greater than expected Margin must be greater than .095

205: dellections are with range QK to use theory deflection many be 83 greater mangen to be larger than .085

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206 & Heavy: de flectors are too large: may be due to improper "I"

deflector check to be done on modified I shap to conform theory

Caradon Indalex

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Telephone (604) 942-6604 Facsimile (604) 942-9424

April 22, 1997

Dart Aerospace Ltd. 2071 Malaview Avenue Sidney, B.C. V8L 5X6

Dear Ms. Linda Bradley

Please find enclosed copies of extrusion drawings for your files.

Yours truly, CARADON INDALEX

elares Pellataon

Delores Tillotson Sales Coordinator

Encl. DT/dd letdel.

Caradon Indalex

Phone #: (604)942-8804 Fax #: (604)942-9424

No. of Pages: 1 (including cover page)

DATE:

August 20, 1996

TO:

David Sheppard

Dart Aero

FROM:

Erika de Koning

Sales Coordinator

RE:

6005A-T61

To follow-up our phone conversation, 6005A-T5 has the same properties as 6005A-T61. It is simply the notation that has changed.

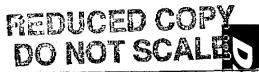
Regards,

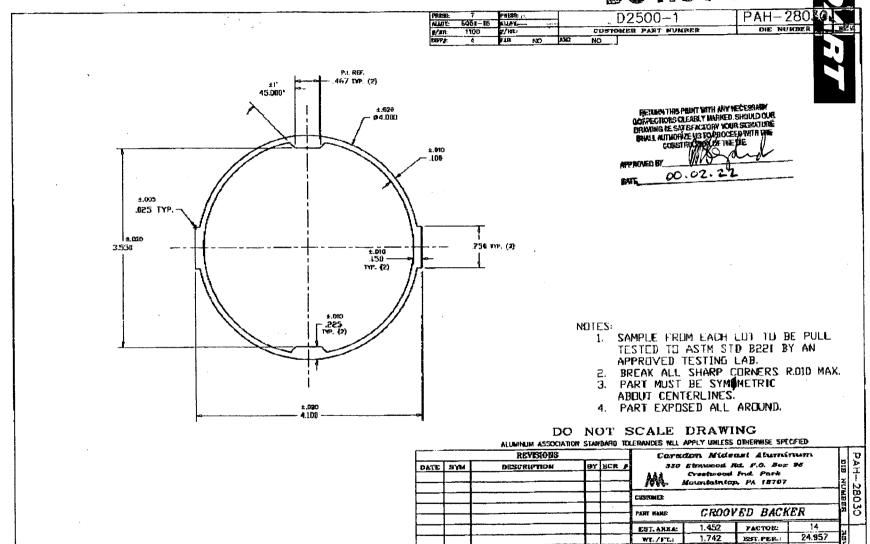
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FULL.

DRN.HY

OUT. PER-





DATE:

2/3/00

CHR.BY: